# Aviation Jevs No. 12. 1945



"Flying Wind Tunnel": This experimental modification of a Lockheed P-38 has been used secretly since 1943 to test characteristics of airfolis which are installed as envelopes, of false wings, over the permanent wing structure. Here it is testing a turbine pump designed to suck boundary layer turbulence from the surface of a laminar-flow airfoli section. The suction slot, and the pump at the airfoli root, are shown clearly. The five-ft. yaw meter on the nose has brought the craft the nickname of "The Swordfsh."

settled.....

## Simplified Supersonic Speed Wings Being Rushed

#### Republic to Try Exhaust Turbines in 'Compound Engine'

## Kaiser Studies Transcontinental Airfreight Line Firm of consultants working on survey; start of service in near future considered possible, using

surplus C-47's.....Page 35

#### Close Airline—CAA Cooperation On Problems Seen

Encouragement found in recent four-day conference where many worrisome industry matters were



THE AVIATION NEWS

## Washington Observer



BUAER REORGANIZATION-Plans are being

DEPARTMENT OF DEFENSE-Desoite wherever convention accuments Army chiefs possessed to Con-Department of Defense, it is rather a safe bet than there will be no such overall complidation. Remore pressional committees having parisdiction over the Army and Navy would have to you themselves our of existence. Congressional bodies are not in the

ndvarged for recreasing the Navy's Bureau of Agenames into a more marger and significal user. Based tion iron a naturen which will earlied four key notes instead of the present consider organization which includes some 15 usin. New organization would fit ures a cornery like that Cheef of the Burera, Deputy SURPLUS TO FLIGHT SCHOOLS-Surelya Prop-

SEPARATE AIR FORCE-Capital Hill observers preserve to political regule say this does not mean is entirely possible and much sentences is developing wing: It will take secrething more than a political reneric borth to bless Navel are from the New De-

mit avouses technical and flight schools to obtain pon-fivible arising surpluses at reduced rurs. These schools have been ugable to smilety under the present educational institutions. Prices for the trade schools will be above those charged pomerofic schools (\$350) posal prices

#### CONTRACT TERMINATIONS - Aldough the

had been fixed for Jan. I by both the AAF and Navy, there appears little likithood that this can be accomplished. Numerous energencers have been surbin congrigue regretation cases. Many of them regard the Oct. 15 deadline. It now appears that quite n sucher of important cases will will be unimbed after the first of the year and thus the work may not

ATRONAUTICAL BOARD REDRGANIZES-A

excesses reorganization of the Acronestical Board his converd in in heads all endring secrals producrios copresis. Pancions and files of the new defence Asserted Production Bosed, Joint Aircraft Consumer and Aircraft Resources Control Office baye have moved to the board which is being staffed by high racionar Army and Navy officers. Only office of the Board's arrives on civilian production will be in the fields of



AVIATION NEWS A Navember 12, 1965 WASHINGTON GBSERVER - 3

HOLV DUCKLING OF THE AIR WAR

This was too fast for the custoway who The flying Jeep "We seed all the Dacks we can ext tried to even it. Finally, the mechanic dividure chard with a more and harded down here," declared the Marine Corps bers in. All three braced for the takeoff. major who related use of the two agephilippe from Broderson Field. series of housees on elamentar waves. sea. To pleas for "course Backs? Colum-



## Transmitation

her alcomble the alock fishers and Arbition part of the way. But, or the story goes, the polesymial Duck properly under New supervision, reta a cleanwell "too where other places wee's and



turns of our fightness race about for-

flana, presone hattlefrants. When a

tough flying job had to be done, with landing and takeoff from tight anote and reach waters, the study amply

One of Marry Rescues One example of its week will native was to Newy, Merline Come and Good Gusted men at a time when our con-A Duck was railed to the senser of a

ad to taxi nimerch to keep off the real ... paratise. Valley Strong, N. Y.

Please Dan't lequire Yet... lated eoes strand. Three violent combrelations on the fact that the future cominc. shoking up sales and exchange. Both were supprised to find that her Inguides, therefore, are not severed for sectal buffwas taking nowater. The pulse the possess Columbia Aircraft ConC. Scory Hanger Managing Editor Missies H. Mickel, ... Thamber &feet WILLIAM KNOOM .. David Accument ALEX McSensy ... Private Floor Many Dates Marino

AVIATION NEWS

THE STAFF Peliste Title - Bhos

CONTENTS

Valingra Clarrer

THE PHOTOS



Adversisers Index

### News at Deadline

**HEA-PCA Merror Expected** Theficial steps towards a recover

the NEA-PCA deal would mysty-

## Marris to Resign

**Hickols Bies** TWA, and Austra Navine and Min-Carachell, ulas of TWA, duri or un-

#### Pay Raise Offer

Machemete ATT, are to hatlet



Although the exerust from the AAF was exceeded. Chember contained some development wask on its 2,500 by board-cooled saveralt storing. More than four years were magned between design and delivery of the first unit. Corn. pany officials doubt of the entire will be not lote production. I October accords tendanties totaled 470 accordances by the Army and Navy

b Reus has an easer a high speed set fighter a believes will be agreener to an FR t Frield new in limited production for the New Although page to the

Carrio-Waght will rawe to surplace devision operations from Buffulo to Look for United, Hastern and American to follow PCA's annuancement of

A United Press dispatch quoting a Rosson publication's spection of a USSR first indication that Koons had built see rapid shore. Roses, about a year ago. and agon a short time ago, sought information from Goodpear on lighterthe subject of the propagations feeducing observes behave the single news wile speakure and year, probably officing the New Orleans gateway ex-

North America's any experiences Novy Sobary the XTLL is proving completion at landewood. Airframe may be completed by early November Gramman has latradaced an employees' estimates plan, estroactive for s As order from Comoledated Value for 1,000 Frields: 150 hancower sin-

Torre Awards Com., Van Navy, Calif., makes of planter-feword travers hard environment in the beautiful for the self-cleaner variant recover with a direct dust commer and extensive could

1241 MOUND AVENUE

## Sel-air MEANS TODAY'S HIGHEST STANDARDS OF ACCURACY

It is now out to habitum their insteads by advanced conjugation only be precise on demonstration, they must be strandeble; and

TRU-AIR SUPPRIOR TIMING MECHANISMS

IMPRESSIVELY ATTESTED Tel early menufacture of thesing mechanisms in approximate. Tel-au-

blics are found serons and roboths by reduc's stradout for investigate the constitued further any probable to see the Tid air. With RESOURCEFUL commences, broken, and production

inmediate attention PROMPT DELIVERY on all enters, longe or





Simplified Supersonic Speed Wings

## Being Rushed By Major Producers

Case and forged types known to be under development to meet pushlom of thingers and smoothness; Lockhord reveals "flying wind tunnel." By SCHOLER BANGS

Today's acquises wings, as costly as they are complex in construc-The proximity of military ru-Projects -- Known to be under A "forged" suc-piece boftow metal wing, regaining neither A very then solid metal sirful

work and secured by internal A wing in which the metal skin.

jective in research new under Befrately unicative of the new heed let fighters now in product. A new photo of the XP-51, built by Lookheed as a bomber-destroyer

eastly, calling for openigrounk • Research-Lockhood has yest reresearch into high-speed wing flow is bring conducted. The plane, an experimental modificawith false wines built to any airfed deared. A special cockpit has

Hiller Firm Building Two Place Commuter chaften our "ben pone," being

Four commercial helicopter

New under construction are a two-passenger 164-mgh, Comrester which Hiller expects to have in test fight by February: a prototype of which say been tested, and an electric-motored toy iden-"Bes Type"-Still in the dearn

stage is a "bus type" helicopter ler-Cupter completed by Hiller the property of Kauer and hos bern shopped to Kaleer Carus's Floring Dyeson at Brood, Penns Hiller said that whole Kaney retains rights to manufacture under Hiller heerues. the West Coast industrialist has no participation in United Heli-) Committee-The young belown

ter designer told ANIANION NEWS he antisipates early assembly-line production of the Committee which will have a body length of wingspan, dask controls, and a The entreme engine Hiller has venter, new \$5, will not plunge pecklessly into commercial production. The protetype undoubt-

before Hitter arealies for a corn-



of smooth wants at laborious and Allisson "double" enginer

EASING MISCONSIN AVIATION NEWS . November 12, 1965

AVIATION NEWS . November 12, 1965

#### Commercial Rating of Rockets Seen As Aerojet Corp. Reconverts

California firm, a subsidiary of General Tire & Rubber. will turn to development work as IATO production for Army and Navy decreases

with production, research and ministration to determine the com-

Booket Provine Ground: This is the first published shotsproud taken

which will be acceptable for comconsumption of fuel, liquid redcet

the average single sent fighter, power plant, delivers 6,993 lbs. of

types of acceptly wants only the > Belleble-Meet closely approachproved safe and reliable. Elec-

Other Uses - The postessays of

of JATO motors attached to the

time blasting away mad that Agreed existed largely at a JATO

easiting stackholders, most of > Officials-President of Across is W O'Ned of Akron, Ohio, who of the company are Dan A Karn-

executive vice-president T E Brooks T. Marry is assistant di-

W L. Rogers is server used (ise)

W. J. Dierron Blocard To TWA Directorate

Warren Lee Person, president

Surplus Sales Check

pliance Enforcement Divinon is referred to the FDE and of presen-

#### Arnold Report Stresses Progress

The weapons of today are the tary of War, adding that the some Vill besieg in the Wright capable of firms around the In the part the commenting cought in a position of having to Paid Heavily-'We have paid beautity for this error," he says.

~~~~

necels, destructive manufes and Total Activity-Air nower, the assaton advate-continu and servered companies could make turers quickly learned to produce

watern's ability to defear cares.

Kinner Changes Name, the new encore, which as still in the design stage. Mesravirie, Plans Horizontal Motor Globben will continue morning-Appropriement of plans for a

Another division of Gledden, con-



NEW HARLOW DESIGN:

If their trute of the new oil-wretel Marine experimental place, above. Nov \$1 Speculation that Elect Managerumen Co , respect be extering the recessed place field with this model, is discounted by Heriow, who newbartons of the experimental model. The new plone Ann a 226 has Language populated, such 150 mph, indicated crising speed. Harless



#### Republic To Try Exhaust Turbines In "Compound Engine" on Rainbow step. Here, the exhaust pages are

Designers look forward to power recovery of as high as onethird; other engineers see drawbacks but concede net fuel parton cycle may be paned). The economy is possible.

Another serious attempt to use

third of the original 5200 kp cat-& Whitney 4360 reciprocating ening power. Other engineers, howresult still may be a considerable unferstood laboratory tests have

FTheory--The operating promuse of compound engines is the transpressure cylinder for utilization is

been used successfully in the

stuck, and back-pressure on the first power unit causes a loss of net cospet in accreft engines, moreover, wright-mas require-

cylinder, brings an entirely differ-

Mapercharger - A relatively swall, but spectacularly successful operations—the work for which head turbeconcreturer. The uh Problems - Curtoin additional be crytical because of the mare variable factors, and the countries of vastly different accord overs

> New Souring Record record for gliders was reported

turner exhaust-powered turbine is

transferred from the cylinder in

piece then drive the turbina

gases from the blowdown tur-

a low-possure steady-flow tur-

bine In either case the turbine

drives the operation people of shadt

Pawer Gain-Energy recovery of

our is indicated. This is remark-

New Soviet Dirigible

An 89-hour first by a new So-

should The Associated Pores said Known in the engage industry as the Cornoob because of its many banks

Tentative AAF Plant Dispersal Plan Stresses Los Angeles Area Problem Secretarious to exacufacturers indicate aim is not a notion wide

relocation of facilities: immediate action unlikely as many west will be effected. There are two other obsectives removal of

the subject of dispersal of the in-Following the ducumion of dis-

ordinating Committee (Aviation NEWS, Oct. 29), wherein was sugcommercial production at home military output, AAF has beentisely concected a "dream plan, chief marredients being Freet Worth-Dallas Area - Corcompany's commercial and other work bring done on West Crest.

b Kream, Missouri, Nebruska, A.

new boreher. It is also desired h Oklahava Oty-Tules - Deurlas

returning any Profit & Whitness Stration at Wichita is regarded as

Hoble-Indiana - With Cartissproduction to the Columbus, Ohio. of the program would please AAP West Coast Some quarters trans artsally applies only to the Los

Reason for that is illustrated in was included in the Air Coordinat-It will be seen that my borrhe Ohio, ulent by Wright Agranauindustry on the West Court. The While those plans constitute AAF's ultimate, or desired, goal, of the areas affected by the bombs

mediate action. Some of the com-Finderround-On the hand of likely that congrirents with



10,000-hp. Motor Seen ment of Germany show that Basis for future centions of so great us 10,000 horaspower creft engines being best by Winte, GE vice-prendent -criteline of the electure the The West Coast oromoliv becotablubuse a livet to their development, adding that re-

~~~~~~~ vice, similar to hydraulic drives publicated until new, although at has been in flight for at least two new has built up creat movest-

Firwheel Action-The fluid serve ethics and spaces of supply. A feared distracrysters of these w

fixed drive, developed primarily Hydraulic Drive Unit Built by Northrop ing out tarque impulses of engines Development of the first aircraft

dees. A defuite weight severe was realized in allowing the was of a relatively hight weight extension shaft. A slip lass of 5% ownered

Aircraft Hydraulie Drive: This hydraulic coupling is the "fluid draw" ottochment adapted to overeign by Northrep Aircraft enganeers, to out perstanc engines and propellers.

her was not considered excessive No Statement Northrop officials give no indication of whether they ceal manufacture of hydraula drudle drive buy been opposited and several years ago a Canadyan announced intention to develop a company opporently is the only one to have aroually tested the

#### ATA Offers \$50,000 for Surplus C-54's

Four-point counter-proposal to SPA reflects strittes' selectance so gamble on funare volue of Descripted with a Surplus Propercy Administration surgestion

contright at a price of \$1)2.566 for the C-MB, type available in greatest volume, the sarlines through the Air Transport Association are replying with a proposal that the purchase price be set at \$50,000 Other features of the free-point counter-overcoal are that the planes be feared at a conversion purchase price, imited of the \$150,000, or half, herotodore alownd The sirlines also are asking that the lease contain a 'most them to take advantage of any better terms than reay be offered Contract-While the \$50,050 anderable contrast with the \$112.566 proposed by W. Stuart Savage tan, Surplus Property Administranamble on the residual value of on the \$300.003 less 50 recover

version costs running higher than

ODD a year AVIATION NEWS a November 12 1005

#### Meteor Sets 606-mph, Record: NAA Establishes Racing Classes

Stripped-down British jet fighter will falls short of 640-men reported in earlier test; U. S. action will regulate forthcoming

With the establishment of an urofficial world's speed record of ter Meteor, the British last week Standard Fighter - The plane terest in the cryrval of streraft Of elmost equal importance, if

however, it was stripped of armor In this country, manufacturers of set pleases were reported as declaring that singuage a fighter Classes-Class A will be ones to added about \$0 mph, to the speed b Debate-Whether jet planes will coaft bearing NC sumbers. Benof the NAA contest board, but no Even performance of please powered with reoppositing on-The new classification is not

mit priors safely to attain top for racing. 2t also in complianted etily in this country, as the NAA land next nammer, may feature jet British Afternat - While there lubed to govern rational or uservarional record attempts for yet I Desdittle Flight ... As an arres-

Board Set Un est to two or more of ALA's

activity, a S-25 commanded by Li Gen James H. Doolittle last wool landed at Washington National ute Birth from Oakland, Calif. It While distance, 6.544 miles, was of 7.155 roles set in 1895, AAV

#### Edward Goodman Sperry. Inventor's Son, Dies Edward Goodman Sperry, vice

of Sperry Products, Inc., died has



expected to have nev effect on

record train are not limited to air-

#### Experts To Discuss Air Future At Clinic

Pennsylvania-Control Avr-Speakers at Oklahoma forem purchase of 35 Marris 202 ag-Nev. 19-21, expected to debate steps needed so realize industry's delivery to start early in 1845 Thus as the first public disclos-Steps by which the U S aviaspeed Maran transport, Doureed especially for short industrial deflation which has fol-PCA presurably wall use the shep for thus type of truffic. Although its organic speed in estamated at 160 mph., the 200 scientists, engineers, executives. educators military and cycles from 50 to 70 rates Plaused to seat 30 to 42 passengers flywrs and cover leaders at the third august National Aviation Cliese (Aveanoy News, Sept. 2), the Nov. 18-21 at Oklohoma City. version PCA is contracting for will carry 40 passengers. With the 202 bording short

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PCA Buys 202's

stop flights ~~~~~~~~~ tellifary sir policies, reconversion problems, private plane desure. fore young Lee's staff, Meciton with United Air Lines on the

Harr Presiden Josephy sponsored - Wendell Counts, president of William R. Enyart, New York, as to Sam H IDas-

man of the Way Assets Corp. Many Key Positions Filled During Week DEC to Sarvite all sarobas dis-

and to Jath Lee, mereber of the

areat in accounts Air Transport ternstional Cred Avaccon Conversation constituted When the

M. M. Williams, arrest vaccuners, concutres war afreshed of Weight Core Williams would Cortina-Wright in 1963 to senist Presideet G. W. Vaughen in meeting

I Cal. Bebert J. Smith, fermerly a vice-president of Brazill Alivays the spring as a vice-president and of operations, probably negotiated Dwight S. Wallsee, who has been associated with Cestra Alcuraft Co., since 1834, has resigned as executive vice-president and return to his law practice of Wickets. Wallace, with his brother, Dwone L. Wallace, Cestra pour-

dent, became associated with the purchased control of sufstanding stock in 1924 Frank A Bostiger secretary-controller since 1942 will become treisurer, Boettoer came to Crossa from GM New Book Presents Uncensored Air Data

Fact and Figures," compiled by the Aggreft Industries Association and published by McGraw-Edited by Dr. Rudolph Medley, director of research for the asso-

h Danneal Data on lo addition to namengrapilet, carriers, exstores as average saveness life of combet plane, performance xu-Prefore to the first consul-"Avanton Facts and Fagures" Was profited by Statems E. Wilson, 2004.

nety landing strips Construction of these land for fifties in the count. "We merely wish to bring out "No overall appropriation for be complete without some provi-

PRIVATE FIYING

Small Seaplane Bases Expected To Multiply in Next Few Years Development of low-cost facilities likely as manufacturers renon mountine nublic integer in craft canable of landing on

#### By ALEXANDER MUSURELY

social planes capable of water water facilities at an expense repwhich is being reported by air-"Scaplene hores can be built alward facilities can be provided Accessibility-Othern points out

a searciage can land in the Missiastates. Most of the docks were bullt by NYA workers, using me-Fisky Herbers - It cannot be feered that a sky harbor, as the Wilton D. Stretensier veteren designated the persent plant neater Incoling facilities in manus to the problem of low-cost landing area close to the downfown was the stiplude of penalshe stu-

ties which can be expanded as newted can be provided for apwater with a "20-rule runway" propertately \$500, of the operator Need-The peed for community

#### New Planes-Principal exponent of the amphibase in pre-war flows

her scholated to sell for \$1665. Francier amphebran to enter the feld, which is expected to sell far near the price of the higher-Both Atrones and Paper have mode some amphibian desire.

An invotation to "Remember Ternemon in your Avaitant Hanning" is being brouleast to aventus interests, in the "Whiteness was one forms Tennessee has a peaper surport ready for you Wherever you

state-elmost-there is a good More Planned - The state pow has 4 Class 1 surrouts 15 of 55 new air fields proposed 63 will be airparks for the profickle will be near hadoric stica end report mots. Others will

cade acceptibute to which Piner was two-place place, but is reportedly b Concerniage -- Bill arcelogy in landsdanes can be easily converted the best known pre-war float



ERCOUPE PANEL: Instrument ponel of the new 25 installation, radio and consent va-

Edo's post-war merchandurag plan calls for an organization of \*CAA Approved-The Model 60 float, which is designed for two-Luccombe, and Taylormust type. duction will be limited to the of heavier displacement for larger account will be in production within the pext six months. The com-

Price on the Medal 69 floats comnicte with strutt, rudder, cables. etc. is quoted at \$995, an increase it possible to cut this price sameacrodynamically and hydrodynamline facilities, appears to offer the most economical messas of setting up as an airport operator. Commanufes or individuals interested is obtaining more details about re-

#### facilities, from the CAA informa-~~~~

School Proposed cal and state police officers porting of provide flying sectto become a function of state

#### Rvan Sees Need For State Aid In Enforcement As Aviation Grows

CAR member cells NASAO commencion is is considering request for legislation to allow state agencies to carry our federal rules and investigate accidents.

If private flying moreases as reach as in anticipated state aid in tion of State Asseture Officials. Byon said the board is considering asking Congress to draft lease-

lating which would permit state gations, thereby relieving some of the burden on the overworked Civil Agrorantics Administration He said powerst enforcement meth-\*Bases - Hundreds of surports formerly used as military training to other and towns 'virtually as rifts" under a progress worked Corn. George Bornery, assistant

been declared surplus rallstary ethun a booklet with drawings pens of \$5,990,880,000 They range from small fields with turd surfaces, used for pre-Impracy or prayery furbt trunted processes to been and olab-

erately equipped surports, Becomm vately or municipally owned, and which were substantially improved and enlarged after being taken over by the armed forces. Conditions-All facilities, includthe lumines and other buildings and equipment of all types, as well In the disposal program, he nessted The cities receiving the fields must agree to keep the airports in

countin, make them available "In addition, the states should make some contribution from genneeded, and fulfill pertain safety ly dependent on property taxes,

AVIATION NEWS . Nevember 12, 1965

Anderson Elected William L. Anderson, Herrudgary. Pa., director of the cal Corressolon, was elected president of the National Assucceeding Sheldon B. Steers Laguing, Wich, Michigan sere-

Montpeller, Vt. secretory ~~~~~~~~~ agreements by request of the CAR. Marking-May Starche Naver.

read estate for the Burghus Compealed for cooperation of state agencies in a uniform air marking are to be knot force. Shakton B

Steers of Lansing, Mich., vetering Contraction-State aid to muse

In developing post-war our preprint already. American man-AVIATION NEWS + November 12, 1945



Nover before in the bistory of firing have so many American octane gaseline than any other nation. We have the crade oil, the referent expecty, and facilities for producing large quartrealt. Even discounting those who will reave to other proregada secure in the six, both from a military and a commen

superior performance and economy . . . important factors in personael. The question of who will corry the workl's air comthe first determination of who shall eventually have the same some is likely to be the solviest of interestional barraisons for hand in percelal competition. pleases that one he operated at a lower cost will have an "relea"



h I as Bill ... Inke Moretar director service, CAA, discussed a provison of the Lea Bill, which has the granting of exclusive franchises

Basis of this provision was the redefigure of sirports to include buildings us well as the actual the floor said, would find it virteally impossible to operate serabout 100 delegates processulus

#### Egirchild Offers Parts Purchasers of surplus Ferr-Mrt. and through the national

dealers, the conspacy has enproces approved by RFC. The

The outer parels are priore) at \$350, the center seetion = \$335 and the funciage feets in material and work-

#### Briefing For Private Phing

Milwarker's second opening of its downtown lakefroat landing strep. Muttand Field, suits the Wisconsin city well up in front of most other expenditure of approximately \$18,000, together with use of city roada commercial true by a Midwest Aleways, Inc., Poper Cub. carrying merchandus for delivery from a Milwaukee store. Twenty-two singer

FLYING WANT-AD MAN-Alex J. Savin. advertising substance for the San Diere Daily Journal, covery his advertising best by place two days a work. Savia makes the reands of airports in the San Durea area every Schurdey and Sanday in his Cuber "Cudet." to round an ada for planes for cale. Birbs schools and similar business. Much of his missies recently he made a count true from his horse field. La Mesa Airport, to five other airports, delay some business at each sten, and covering a distance that would have token all day in a meter our Sovie, who served there years with the AAF in the European and Clean-

places have sufficient power to stable the sireralt, if properly designed, to susteen fight of 13 mph., CAA's provate flying consultant. John research. In the private plane field to develop a combination of sirfoil and power to atten such slow flight. Lateral control sufficient to over-But the safety adventages of having a plane which could slow down to obvious, and warrant additional technical study on making personal planes go slower as well as faster. The Germon Fressler Storch, exspeed of \$2.3 maph. The experimental Ryon Dragondy and Bellanco. concervative pilots willing to trade a few mater of top speed perform-

PLANE USED IN STRIKE-Probably the first use of an airphase in a labor dispute was reported in a court bearing at Deaver, greating out produces and processes. Fred Austic Budder took lies executer testified union members picketed his garage, and followed his drivers who were hardlest milk to Derreer. Aunties, a private floor, and he took his plane and patrolled the Denver-Boulder highway by air while his

trucks were on route, to see that they were not stopped or malested NOW LEINCH PLAN-Plans for a "Strebox" hand service for one water flower which spill enable the private take to radio shoul to have James K. Dobbs, armort restaurant energies of Memobia, Debbs eserates arreort restaurants at nine fields-Chrosen Dallas Borronsbare. Memphis, Jacksonville, Wichita, Shreveport, Ameridio, and Jackson, containers are provided, with binch prices quoted at 85c to \$1.65 de-

## **New Protector & Depth Gauge**

...gauges depth of halo, supeds drilling, saves



**Ends Drill Breakage!** 

dell represent to death owner. poorects your drill at the weakyour dall for any desired depth The Harreell drill processor & death super to available to an

drill class to point where work is being done

... dimules delve

"W." Street 1 (16 cheryon). 10 are hald as his acquiste diagrams to Harryell also entrafactares excession chocks at the above range ASY YOUR JOREST about the new Hestwell drill. protector & doeth payors, extension and goale chucks.

Surale seurce for 777 production

and and test AVIATION SUPPLY COMPANY deline house a Kenney City Kenney

2. Safe should, The should of the prosachur & dauch sanne is stelly to ORIGINAL PROPERTY.

1. Dissailes delive della Two charples

Gauge rentrels depth. Any de-

aged destine dends can be not by

4. Grainbi sheek or broken drifts



"Lease-Lend" Hangar: Prefabricated hangar to be built by U.S. Acroport operator screen to charge a standard hanger rental and pay a pormon of this back to the manufacturer for any years, after which the

#### 'Lease-Lend' Hangars Offered Operators

Prefabricated individual strucsures would be placed as fields free of charge, paid for from

"Leave-lending" of weetshipand it yearfale for more people to

7,990 units a year after the first No Initial Costs-The company offers to set up a minimum of ten

the hanger and to result a pertion Lag In Licensing realis requible reason field accurage meets. They may be dismonthed

Minnesota Planes Although Munecoto's new sixfective last July 15, more than 100 commissioner, reported recently test cases soon to brung in the de-

Accident Study A study comparing pleasure flying socidents in the first six receths of 1965 with those in the serve period a year ago, military pilets, used to flying Pre-war pilots, stale from foring new that even restric-Growing nameber of stadent



Flavor are saleed to curtain was denimed for peacetime ~~~~ While planes not in use may

escape the liversum tea. thele the list value of the plane with a time are 25 cents a day up to a Francist Measure - The house law, and two other revenue measures passed by the 1945 Missome, which the state is using to vances communities. After this

AVIATION NEWS . November 12, 1965

#### The "lighter touch" in landings

Swooping in smoothly on emergency runways results from consummate skill by the prior combined with efficient shock shaperstron by Aurol landing mag. a Aprole have contributed to aviation's progress for almost 20 years, and new units now being developed for future giants of the sky, testify to the importance of Aurola in post-year aviation. A Chr. provinote serving many industrial fields, are mentioned below. Whatever your needs, Cleveland Pneumatic engineers offer you the benefit of over 90 years manufacturing experience.





be used for additional street faun svisites possible tax, on a sliding scale of 4 cents a gallon on each additional 50,010 gallens maximum for all above 200,000 as of Nov. 1 and payable on Jan.

#### 29 Private Planes Licensed By CAA

Civil Aeronatics Administravate planes, parchased by m-List of the aircraft numbers. buyers, make and model of plane

HC SHIRL-William D. Switz 421 Aresis.

~~~~~~ Little Dipper

Lockheed Aircraft Corp. mer have ready for test finder soon the experimental proone striking difference, the engine will be belond the color, turning a long propeller hard is understoring to keep

wrege, so many priets have Lockhood Air Terrelna) and The tity plant weight less than 500-bu empty and is mounted with a 50-hp made

spectacular "surp" takeoff sites a run of 125-51 When a rolling speed of 35-crph has manned down and the Dream bounces upward with an help-

Stiffed D. Cheech Madella Tree Mar She Garboon, Spr. Tarkers, Str. Sept. Tarkers, Str. Mar 1941

Flyers To Discuss Air Regulation Plan Private firers, representing on-25-27 for a Folial Provide Pielas union/Pielas region rated at \$55. the life tot Statler under spensorship of phones

AVIATION NEWS . Neverther 17, 1005

the National Agreementic Association. William B. Stoyt, NAA vice-Tentstree program cells for dis-

Other subpects will include: lock men and equipment, local community flying organizations sir tours, standard sirport traffic not-Groups expected to be renand Piloto Assocration, United

Plists & Mechanics Association. inction, and representatives of eral regulatory officials. The con-

for refets weathers to fiv to Westcreational airport, Beckville, Mc.; Pods Field Chiefer, Mc.: College Park servert, Revertale, Md., and

#### Continental Delivering Three New Engines Start of delivenes of three new

siess repency to entered from 100 empunced by C. J. Reese, president of Continental Meters reibay acr-cooled hecometally onposed four-cylinder design used

In addition to surrest enrines war and rated at \$50 to \$40 horse-Conference inhadulad for the Hear his designed for feeder-type Home for Thanksgiving

...IN YOUR NEW SILVAIRE



plane is turning pre-war dreams into postwar reality! Not toot any plane, of course, But an

ATTOMATAL SHARME! A safe sinesorthy job that note you there ... chearly and muckly. The new ALE-METAL SHARRED to Lancombe reflects once again the proven leadrealist of this pioneer—the very first comours core to build assessment personal

For the thelling Silvage makes a basi-

area trin a obsessor trin-a obsessor trina coal are right And here's a plane in the clearly for cushing but down to earth for price. Became of its construction purrout sta-surrag-it is durable and has a high

Style? Looky? Performance? The new SHAARE will excite you. . . mail the coupon 

LUSCOMBE AIRPLANE CORPORATION These tell me same more about the SELECTRE

BY HISCOMBI

AVIATION NEWS . Nevember 12, 1945

ILVAIRE

#### PRODUCTION

## Cost-plus Aircraft Procurement

Being Dropped As General Policy Balk of Navy purchasing will go back to prower basis; both services to allow exceptions only for experimental and research

work or in unawast circumstances. The cost-plan-a-fixed-let type would be sutherized to enter into craft is on its way out except unexceptions to the lump-num conand research development work though the office of the Chief of tics has holted procurement of sercraft on the wartime cost-plus Navy Pelloy-The general Navy boss except in the cases menpolicy is thus: tioned and the bulk of serentu-

lamp-sun contracts. The same policy will apply for the procurement of new facilities. an experimental work. On produc-

which the best interests of the vice developed to mood produc-

planting, rather than merely is briefer, simpler and much more clastic than the 1926 act and would

Present plans in the AAF or for 31 percent for new models, 5

#### Link Trainer Surplus Link Avathes Devices Inc.

agreement with the Reconstruction Finance Corp. whereby the company is undertaking re-condi-

commercially salable are began CONSTRUCTION ASSEMBLY LINE Lookheed's essentily lines are making the first consumercial nomines of offered to the public. Proce will be

AVIATION NEWS a November 12 10/6

#### COORDINATED COOPERATION!

WOLAB CORP.

estimates on Aircroft

oleb's post experience in essetting the Aircraft industry to tool up for the high production demands at the War just finished has ereated the fine tooling craffemen so essential to precision production sorkmanship. We can do rough essenblies when celled for in specifications but when along talerances are specified, we're right on the beam.

Builders. We have found that the educations in any tool building program fire primarily in having designers and assembly crews under one roof, assuring coordinated control over both departments and 100% cooperation on all programs

· Tools farmshed by Walah Corporation for considered of Afterna Spore Assembly, Afteron Non Augebly and Adress Chedding Gogs.

Deservice.

DESIGNERS - RULLDERS JIGS . FIXTURES . GAGES

TOOLING CONTRACTORS AND BEST IN THE NATION!

AVIATION NEWS + Namedox 12, 1965



#### Sperry Head Warns Draft Slows Research College tells Senice committee able engineers; sees U. S. lander-

Continued drafting by Selective

R. E. Gillmar, president of Seertor of the Senate Military Affairs.

Lesses Cited-Re rited one arrcreft company which last five cets for the Arrey and Many than other company has 49 component new subject to induction, another

these trends with recent drustic reductions in supropriations for Army and Novy agreesation) re-Navy's requests were cut from Program-The industry's pre-

serfives to enable the public to mee whether present curtailed research and development suppropregrams of other nations.

other restrictions which would do- \$2,000,000. Mayufacturing space courage arrests industry from en- will be utilized which was vurticalture development of military and

Convair To Produce Stoves At Nashville

gas and electric stoves and later go isto farm machinery equipment for Aviation Corp., the purent will enter the process marrafacturing field, it will continue to restrary accereft. "First Maye"-"This is the first move of its kind by a major aircraft manufacturer," Woodband said. 'In building the AVOO stove, which is designed for low

"Re-teoling in the plant for the

Products of the general manuaby AVCO, Woodhend said, in Production of consumer goods at

size at Wayne, Mich. ~~~~~~~~~~

AAF Tests Fireballs Hedge a reciprocal agreement for exchange of tecimi-

service representative, but been sent to Florade to help nine and magninumes of the two AAF aghter pilets, veteven of the way in Earope.



undertaken, thus shows the final assembly line at the Ruce plant at

## 90% of U.S. cities can have front door air service

more, when the nuise was young and they today about 90 per cent of urban points include water area adequate for Searglane operation.

nearly lives of using these reals, made signary or the front doors of most of America's clore. For sales, charger or urbool purposes, flouraface operation offers an economical opposenanity to render more convenient city service than from sor

every plane. Light plane sizes are immediately available.



RAFT CORPORATION . College Point, L. L. New York AVIATION NEWS \* Nessonber 12, 1965

against the adoption of patent of AVIATION NEWS . November 12, 1905

TREBALL PRODUCTION

#### New 'Chute Opener Eases Cargo Shock

An automatic poraduce cere-Worked out as a point project of he Aren Medical Laboratory of Free Pall-in trinks with the ave-

chuste at the aurologie's altitude.

poston, a powder-charged south and a cylinder begains the south at enr of five different altitudes. closes the electric circuit. Then and pulls on sunitiony cable at-

Huge Canadian Bomber Completes Test Flights



"Lincoln" Bumber: First of five Lincoln bembers completed at Viv. tory Ameraft Its four Rolls-Royce engines principle 6,000 Accurant

The hope craff's unappreed to 100 ft. 15 ft. more than that of the

Toronto, but its future is in doubt. Doubline-Deliverses of the con-Tim pinne, which has a country rence of 4,000 miles, may never not any further than a War Assets Corn screp heap. The har alles for expending eacht tons, per formed well according to the test blonce, although it has a faster > Pote Untertain-No definite de-

with four others that are being

built in Canada, may become a

part of the pence-time BCAF to

are no orders now for delivery

PAA C-S4 Conversion

Contracted By Republic

the compano's Farmingdale plant

Parchild - menufertated instrudesire which were manufactured

be used as trustant ships. There > Types -- Instruments myslyed ateras, and other photographic subscrite radio compiants and

Air Associates Expands

N. J., is opening a new branch of-North and South Corpleta, Tonnemoe, Minningsyl, Aleborna and Associates president, said the Atin Chicago, Dallies and Les An-

Rambou: Props Chosen Selection of Accognoducts area

Props to be supplied by General Do Order-Now on order by Pag to-passenger, four-engine ships to London in more hours (Avia-

riox News, Cet, 333, Propolation

For Surplus Instruments

Fairchild Appointed Agent

## AiResearch Announces the

## CABIN PRESSURE REGULATOR OF THE FUTURE



THE END RESULT OF 10,000 BILLT FOR A A.F. PLANES Teday AiResearch is manufarturing the Model I cabin pressure regulator for A.A.F. combat planes. It weighs less

then elemen neurols. It is fully assumed and operates ennizely on sigilow wethour outside source of power, it is the only regulator over put on a production line bosis, and is or combat fight. This achievement is the reads of pioneer-Tomerrey's Regulater-the Adbrough Model 21 is

chocanada of hours in warrione operation. It is NW simpler performance. Writhout pulse,716 second cond. is will prowide sicking passengers with new desired pressurated cities condition in absolute safety. Devices for bristian, condition and are condensioning are included as a pockage

Torsorrow's Cobin Pressure Regulator The perc Adjournals (shirt, present regulates suches. however an approximate course becomes the copies from

and adjudges when the rouge of commercial figure. side sives, the cognition wall material on "surport" suggests welling the sightest often throughout the try box makes personn angules at calmant should beenly, it will applied taken presented to a gradual ness of change in the present of the amought is no Meant, is will se league be nacrosary to make a Meant, is was no major to recovery to color to against above or content over the support on colors to here the rost of their persons change in a value which will afted passenger conduct their makers Per mace complete reformation, write the A Research Management Company, Los

The Afference Model St commi not in equipped with an electrically speciated cubics allotteds solution and tree of though empirical and entering students and tree of though empirical and entering students. The cabes altitude selector (rasts hand knot on the low) clock whereas of the shirted present in he increased

When the change is completed, the regulator "levels off accessed or derived at any time dating fight at a rate

Allowersh - manufacturers of AM CONTROL equipment

Applies of Physics.

AiResearch THE GARRETT CONFORTION

25 -- PRODUCTION

#### PERSONNEL

Smith Rejoins Pan Am After Service In Novy Livet, Conde Jones H. South. Je, left returned from active data

vice-president John C. Cooper

He has beld transcous positions with Pon Am Robert L. Cum-

manager of the Atlanta drygge, of

Pen Am. recovering John C. Leshe,

Local, Col. H. C. Bankon (chata), co-

resile released from screw daty.

som in 1999 and left in 1962 to your

William A. Glassford has returned

rick, in charge during Glassford's refletary leave becomes assistant

chaef prict of



2008 TACA from General Aircraft.

John E. White (abote) has been named personnel director of Chi-

ern Air Lines, R. Todd Cruich-Chicago & Southern from V. where he has

depertment at the strine During

Two Lines Announce Transfers of Personnel B. Wootten, who has been sales mon, former district traffic manager m Circumsts, has been transferred to the new Chicago office on portly. Licut. Cal. Heavy A. Wine. Se., for-M. Manbburn, Bodger B. Meier and ferred to Chicago, John S. Rance. Del. Colored Was totaled All Amer-

Marina Nickery have been transformer fighter palot, has returned to note on traffic venezuentative Educanow Marry office. Ken Hall also men to Musea Roben Huekaten or the Shervenort office, has been Mertin Co. G. L. Berne. Jr., be-

Andrew Mankingesh bus been named mest of the engineering dynasis. H. C. Wieben heads the design de-

change of the administrative department P. N. Magrader has been Terry, Navy sales, one J. L. Bordley,

Delta Names Cushing To Operations Post George R. Cushkar (shots) has

been elected to the newly created

the heard of directors Cot. Perker staff of the European drysmen. Cashing journel Bolts as a pilot in

Charles A. Telam has been necessi-John M Lyons was morred district

Walter B. Macuice has been apengineering and construction of air-

Bices Appointed Head Of Sales By Convair William A. Blees, fermerly wave-



Young & Robscan Re will direct sales of all congressial, necessari

AVIATION NEWS a Newspher 12 1945

Leseurd C. Mallet (photo), a vef-eran of 16 years with various dirisome of United

Whateve Aircraft Corp. of Missoury in 1942, serving to general manuacr.

neveral years with Ferefold Av-W. J. Bulky, traffic manager of Trans-Counds Air Lones bendquerto the Treffic Advisory Consulter

New British Plane

Tests 'Wing' Idea

Constructed to prove the principle of the flying wing for air trans-

war tailless agreedt destrood and The unconswertened twee (Av-

DATTON NEWS, Oct. 23), is now-

ft. wind area of 240 ansare feet

move in an outboard direction

Mosp advantage of the tailless

ret of about 13.000-ft. b Share Contracts - The crud.

Pratt &

MASTER CYLINDERS SPECIFY AS

two offers creat namebilities for

TACA Arrways Agency, Inc. He partment and C. W. Miller is in and military strength-AVIATION NEWS . November 12, 1965

PERSONNEL .... 31

## What Shielding Conduit is Best for Airline Use?

Fencialy, no shielding magnifictures, engine manufactures, no one par timiar airline has the final answer to this problem. Tirefee Assacra 154 was developed during the war to satisfy military requirements for a mechanically record condule with opposite shirtding characteristics. In proved an excellent conduit on both the high and low tension sides of the legicine system on places flown by both the Army and the Navy.

#### Airline Problems of Peace and Conversion Airline maigamance engineers are presently faced with a great number

of problems in the conversion of military already to commercial use. They are also fece to specify new equipment on operating aircraft-equipment not necessarily configurates to Astroy and Navy specifications.

With Acres 156 may solve the shielding problems of many abilian resincesance departments, Titefex engineers are currently working with specific sirlines to develop conduit types exactly salend to their appriceromes. If you are not salding advantage of this personalised engineering service, a lower to our main office will start an engineer on his way, Titefler, Inc., 548 Prelixphenen Acoust, Newark 5, New Jersey.



#### FINANCIAL

#### Air Line Stocks, At All-Time High. Favored Over All Other Groups

Tromendous growth factor is cited as reason, together with reneal of excess profits tax provision and limited supply of

\$100 mark, representing the first

or line to make the "Contury

ern's stock (807.003 shares out-

The most important element in

found in its position as the lead-

Corp. The holding opropeny, faced

Among the transcontingentials.

market appreciation Some sources

attribute that to the conservative

Syruted busying has placed air. November 1, the stock reached the line securities at all-time highs. These shares have been consistent-Many Stadies - Refection this

\*Typesal of current comment is 28 1945: IThempostered earning power, strong financial

advances. We continue to regard American, Eastern, Northwest TOWN and TOTA as constanting long-term growth equilier"

supply of its stock. A total of blender-Too honors, from the standpoint of coneral market interret, belong to Hastern Air Lines. This carrier's equity rose 50 a total Souther espoly of United's

industry-1,516,394 shares of common and 193,249 shares of pre-

tenn earneses. Their roomth fac-

> No lefletion -- Certainly, the in-Nevertheless, it is a market higher, profit possibilities become

ports in the EP7 bracket Were 40 percent. Eastern's earnings for Tabulation of muricel action

## b Limite-TWA, with a gain of 142

operations A broited supply of

Queed had prove as "Over-the-~~~~~~~~~~



#### B-29 Bomber Becomes C-97 Transport

The B-29 is unquestionably the world's finest homber . . . its range, speed, load canacity for exceed any other. Bosing engineers and designers decided that this famous ship had peacetime possibilities as a commercial transport if its carrying ornacity could be increased. So they put their heads together and came up with the C-97 . . . a double-fuselaged glant with 10,000 feet of cargo space, capable, in wartime, of transporting 100 fully-equipped traces.

Wright 2200-h.p. engines. And tost as Chandler-Evans enriuretors made a fine wartime record on the Superforts, so is their steady. dependable performance corrying on in this percetime version. As new and finer sky giants are developed in the years aboad, CECO products will continue to supply them with the precision and

Except for this new hull, the C-97 recembles conslity that has met the test of wee.

CHANDLER-EVANS CORPORATION SOUTH MERIDEN. CONNECTICUT



#### SPECIAL AIR SERVICES

CHARTER NON-SCHEDULED INTRASTATI

#### Kaiser Studies Transcontinental Non-Scheduled Airfreight Line

Firm of consultants working on survey; start of service in near future considered possible, using surplex C-07's, builting flowers to East and clothene on return trip.

be verified. Intermediate steps al-

Perce Airways of Bochester, N. Y.,

ratio on a load of 2,000-the or

Henry J. Keiser has pretried a study of the notestial demand for ready mentioned include Boro, s. Sex France-New York non-Desver, Omaha, Chorage and Amorities of the shipbulbler say Page Airways Opens Kaner handquarters at Oakland Air Cargo Division Calif., displaced that while no

FCarre - Write lackur official

provide shipments totaling 23 tons cents per ton mile New York tive is understood to have been maintenance, and arrangements

ing to other reports which carnot AVIATION NEWS a Number 12, 1965 ..... Pittsburgh Air Van A Pittaburgh was compared

The W. J. Diller Transfer courage short houls, haven set a 200-mile maximum colo for specific items such as vance, bots and deveroperts.

1.000-its shirement in Sanco 100 males us 40 manutes for \$17.50. \$27.50, while a 2.000 all alarment is flown 100 miles for \$30, 190

## mere, distances haved on aircord



Official seculous base, CAA designation, at Erre, Pa., or to be set up on the busfrost to the left of the public dock, shown here R. D. McAlluter & Son, one of the largest boot plants on Lake Eric, have the franchise Scabee awahabana, nos on order, for flying sportsones, along with requ-

its B-29 brother in most respects . . . including

the tail and the hure wine with its four ereat



#### "Penny-wise" FIBERGLAS\* insulation assures "pound-wise" comfort for Stratoliner passengers



Thursmanhly tested and arrend Fifter, elss is installed wherever inculation is carry and fighter classy. Fiberetas Airersh insulation is made of time fibers of above felericated total florible blanker form. M on ft., 16 in thick, weighter as little as 4 cancer. It has encouringally tions of entreres burylette, and provides ciency and sound reduction. Easy to baselle and install, it maintains its form and shape over under extreme vibration.

tion on Fibereins in this and other forces. for application in aircraft, write today. Ourse-Corning Fibergles Corporation, 1892 Nicholas Alde., Toleda L. Obio.

## FIBERGLAS AIRCRAFTON

#### Playford Backing Contract Carrier Florids sir certainne and can-

tales seeing up new concern-U. S. Autimos, Inc., backed by Harry Playford, Florido ser enskly will be in operation by the Gound crews already are stationed at Bush Pietel, Augusto, Ga., swaking formal delivery of six Plans-According to C. A. Har-

member of CAA's Nen-Behoduled Operated School - Last spring other facilities at Albert Wanted formerly was operated by Playoperators in this country. Except ments of CAA which are demandthe lane will be outside control of

#### New Air Travelers

Contrary to the frequent cuis report about 45 percent

#### First Intrastate Md. Airline Starts

corne Baltimore - Hagermown cours: two other license holdest processe service within 6 months. ceptly granted retreatate surline service and the others expect to be months deadline given them by

> within us meetly A surface carrier was permitted

Sincle-engine (Tarlocard) fear-Federal aviation acceptes and the over as large a body of water as All three applicants were aptryities are restricted solely to contruct operations, it will remoin Pas-Maryland officials were dirto serve termerous small communi-

the black Since a rember of sidering purchase of a fleet of Regulate Scobes emphibiasa He

b CAB Petitioned - Pan-Maryland Delaware area, reclading Cumber-

#### Some Lines May Halt For Winter

Prospect that several of the unlines may close down for the win-Columbia company's Borins One with strine has streads reached this decision, although it

The wide publicity given to the Coursel Period - The next few

successive Some observers as Washmore accelerts by companies us-

#### TRANSPORT

## Close Airline-CAA Cooperation

On Readjustment Problems Seen Encouragement found in recent four-day conference where many worrisome industry masters pertinent to expansion of

#### transport operations were settled. By WILLIAM KROGER

Encouraging signs that extreme- complete switch to very high frely close cooperation between the quency installations. surline industry and Civil Acco- DA farmule will be adapted to pected in the complex period of the lead a DC-I cun carry of

securition met recently to settle a . Average weight of a possessper to drug through a series of conb Beautrements for "proving" posolved at the latest joint meeting lots on each new and alternate were carried by the authors to Administrator T P Wright, who changed, in recognition that paints arranged a conference with his ton

Deckiess-In four days the fallooring declinons were reached Interior easignment to speed up- two the hands, to operate the conprough operations will be invisited tref towers at arrests



TLE-TACOMA PORT NEARLY READY Hand ness cuditory security has prepented publication of this unusual at Boar Lake, madway between Searcle and Taronna. It will be the princinal airport of entry in the northprest U.S. The development to detehas not \$5,500,000. At page of temporary buildings are completed, it

Conference Roster Present of the meeting of Aver. Brund-Reed Kaught; chester, J. A. Brocks, Pan TWA-H H Guiler, H K Montan, Unsted W. J. Ad-Stuart G Tipton, John Groves, Allen Delles, Acreneutro) Radio, Inc. - D.

~~~~~~ out be bondled by a fight crew of ces, out of the field of the radio stacked up in the helding pottern range frequency for voice com-

atractions from the tower not com-Decations-The surports at which Beveland, Pittsburgh, Atlanta,

muraceton. Than all polets in the

The autiess stressed at the tirued functioning of the airport

AVIATION NEWS A Newspher 12 1605

## The Birdmen's Perch

By Major Al Williams, AUAS TATTERD WING TIPS-Gulf Aviation Products Monancy Gulf Main - Printered 30 Pri



Catteride Off to the only off effect, an additional refin-

Consequently, Guffreide treeb, Diction-preventing 

PRINTER'S WISDOM

LITTLE KNOWN FACTS DEPT. No, we dalo a shandon this department as Peach Palox (horsom ound) for Little



Piles after we've accepted 5 of your We you delead have room for "Frent"

on a flight from New York to Wash-

"A 2000 by sadisfurging his as crack about as rough as the lococutries

Gulf Oil Corporation and Gulf Refising Company...makers of





is the staff for year flying machine. When the Doorfe is seened Can any of you Peych Tyles help and poets

Well, hear's that postures they'could been

So we ve been looking as the nowwer

AVIATION NEWS . Nevember 12, 1945

been operating with Army and Navy funds which new are bear withdrawn (Assistant News, Nov. No Assertance-CAA was unable numerance that it is requesting

rendy are watching closely the situations at those sorters stone althy Bristel and Chattanooga,

ardons by closing of the tower-DOSher Action - Mearcabele, the tower problem was tackled by a is composed of representatives of disting ATA. The council was one ficulties sawing out of descentionsace of the towers

Math of the CAA-industry meeting was devoted to operational problems of C-54's Castomersby.

Detroit-Eastern will inaugurate service to Detroit on extension of its AM 6 Nov. 15. This extension,



AT INTERNATIONAL AVIATION MEETINGS This group picture, taken recently at Montreal while the Provinced In-

ternatural Cord Assaton Organismon's Interest Council and the International Air Tempport Association were execute at the seem tracshouse belt to rooks A R McCoroli Australian delegate to PECAO Dr. pressions of LATA; J. C. Cooper, chairway of the executive convention

#### Delta Eastern To Start Service Extensions

highled notice of air service

and Misms Nav. 16, with two record

Delta extension of AM 54 from

Cincinnati to Chicago via Ander-

from Knoxville to Muon via Ashe-

ville. Pla A leg of the rouse goes

The carrier plans to operate one

from Spartanburg to Charlesten

American Autimes way acgaire the surplus Douglas Air-Lines will begin operanous on rouse greated by CAB to Great Lakes-Florida case. Announcement by Delta Au-Lines and Eastern Air Lines that menth of routes granted by the

Reconstruction Finance the \$4,003,000 center. While colore ground and bandary might not be told or leased to

AA Tulsa Base

Florida case, carries if from Columbia, S. C. to Detroit via Sharlotte, Winston-Soleen and Greenstero-High Pass, N Rosmake, Va., Charlester, W. Va. flown between Detroit and Marris ing Missen from New York and

h Other Chappers - Other service. North Atlantic route, effective Filtratell Airways - Added one

and Tules on AM 9 and 15, ef-National Airlines - Resuming between Musers and Key West on AM 59, Nov. 15. Each was cut to Northwest Airlines - Added one and Rochester, Mixe, on AM 3.

tween Los Angeles and San Diego

AVIATION NEWS . Nevember 12, 1945

NEA Consolidation Heralds Hearings

Civil Agronyatics Board sutherigation to consolidate three North-The Board combined North-

CAB also has ordered that constitution applications by American Airlanes, TWA and 66 TWA's AM 44 year not coursed

not been set. Eastern Air Lenes The Northeast consolidation north of Boston on the cast log of its route and on former Route 12 three renter. The Board expects Over protests of the New Englord Steamskap Co., CAB found

Begarate License-Instead of xacluding former perments of NEA's route in the conseletation. the shares in NEA's demestic route tween poests on the east and west

leas of its former AM \$7 and betwoon New York and points on the west lest bypassing Boston in In connection with the pending submitted a list of non-stope if

year of operation of CAB note possi. These are Boston-Philadelplus. Borton - Baltumore. Hoston - expenditure.

relay New York-Dorson New Others if might request "write

the foreseeable future" are Philadelekto - Turson, Philadelphiaroy, Memphis-Los Auryles, Morrdence - Skittmore. Providence-Washington, Hartford - Philadeldelphys. Hartfood-Baltgroom, and

TCA Subsidiaries

Sought In New Bill has placed a ball in Purliament at Ottawn to allow governmentowned Trans-Connds Air Lines to form reladitary companies for Under the agreement, corrolete

TCA and its subsoduction expect train and New Zeoland, and a \* Capital Boost - The Conadian pyremenent is solving for an in-

TCA the bill suffering CNR to made plans for divorcing TCA from CNR a rease to which it is

doing so at present CPA must also last year. The Whiteharas-Perrbunks roote under the same screement began operation in mid-Octaber, with CPA fiying it for TCA.

All American Seeks Joint Service Permit

- Valuable Date-Of greater mgand public reaction to the com-



NEW OFFICE SHOP FOR NAL:

Street Misris Airport. The construction program resolves a \$750,000

AVIATION NEWS . November 12, 1945

#### Merger Of AA, MCA Meets Opposition

Other lines votce unanimous obsection to assempt to spend acton by waving examiners' re-General consultion to the pro-

carrie from other autures at a At least eight carriers, planning against the mercey. They are: west TWA and United. How

h Hearthan -- The petition for con-American and Public Counsel area served by MCA if such year of consections with MCA, and Delta paped United in favoring the

Dolla emintarned the case has proceeding" and that, in the overother means Becommendation on pre-hearing conference remark.

mer seed, lest it be parabreed with 1,800-th expects.

respect to purphase of equipment. eroused matters, and other prob-AA takes the position that MCA's in monopoly but rather is weopenent of our transportation in the area, substantial economics, and all MCA stockholders are treated equally and fairly, and AA's inement position will not be im-

#### Refrigerated Plane Demonstrated By UAL

A fully refruerated DC-3 was in what the carrier describes as The step corried five insulated dling about 1,600 ib. It left flan Prancisco Nov. 1 for New York tons of fillet of huddock consumed on 4,000 lb of Lake Superpar



"Wester" Places Interior of tofraperated plane used by Umded Air Lines to carry personables on ly by the Hillsberough Counts a reared trips, const-to-coast oper-

had received no efficial notice, and sulpted containers, each of about had extracted "createrable

#### Delay Protested The New Hancest Scard of County Commissioners, Wil-

provide Wilminston with all National has been certificate ed by CAS to serve Wiference reste Clatest CAB map on down Wilmington service de-National would montate ser-

ture in the containers between 35 United says the demonstration showed either full or partial refrageration is possible, with different temperatures for different Ground transfer of the conterrers is franchic without damage

ed out that me representative

#### AAF To Drop Drew Field. Tampa, Fla., On Dec. 31

Drow Tueld Torona, Pla., broill Midding Use-Eastern Air Lines Airport on Days Island, will Aviation Authority, which and it

funds" for Knight Airport

Alaskan Line Mans \$2,000,000 Program Alaska Airlines plant to mend

The line, fling a regularities revenue flight hours, and colorge-

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Pan Am Enlarges Mexico Campaign

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NEW BRITISH TRANSPORTS:

Pigtares about two new British planes, one under construction and the M namenous. Photo in flight about the Auro Tudar L which British



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William Brunderboff, derector back (AVIATION NEWS, Oct. 29). tration, will have offers at 1706 me the coverrenced be ween in charge of avanton lengthers artivities for the firm of Brown,

#### PICAO Committee Reports Near; Few Fundamental Changes Likely

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Multi-Engine Foel Ruling Postpoord To April 30 Effective date of a requirement

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PAA North Atlantic Route Plea Opposed American Export and TWA con

American Expert and TWA contend application for changes would mean recomiferation of entire decision. Pan American Airways, seeking

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PCA INSULATION:

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#### Mississippi Valley Route Hearing Heated Duputes between strike represistatives and between other

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Orbean.

Needs—Barker most of the various cities favored all new service proposed for each. New Orbean, most affected, took the position that while there was no deviaus lack of councers need for some of the proposed files, city representatives well correlate informations substatted during early stages of the hearing and present a state-mest on specific preferences later season on profile preferences later.

for additional service on established lives.
A conflict of infects developed between representatives of between representatives of Louis and Karasa City over proposed extension of Basters of Louis in the latter city from 8 Louis 18 Louis representative fevered continuous unto their city of lives in the latter city of lives in the latter city from 8 Louis 18 Louis representative fevered continuous unto their city of lives in the latter city of lives in the l

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## AVIATION CALENDAR

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#### SHORTLINES American Export Airbans officially

Colonial Airfines reports 18,55 and 8,443 in October 1944 Mail 229 to 35,624,312, express ton realest from \$5.756 to 75,570 and read too.

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tical superiority, and our excellent laborator- and fundamental research data as we have toda-We hope more Congressmen hear about thus before they east routine votes on Budget Bureau The British and Bustians fixed exceedingly well research, recommendations, which undoubtedly we'll be as unrealistic as the Boreau's past flaures. orages of war both nations have accoursed virtually on avoition

#### Debris at Airports

has uncovered a post-war condition in the western ages which prevain to an unhappy extent throughout the rest of the country. His survey indicates that a tremendous task of housecleaning exports in beuling off creshed Army, Navy and even civilian aircraft now littering the permises take a ride or contract for firing lessons.

ranging from ereah wreckage to piles of packing ests at secondary armorts, many of them used

ample, a landary seradest dameand a Douglas transport beyond salvage. After being stripped of used by sirline passynrers due to fly in the same type transport. The agreed manager claims he has no authority to move the wreek because it is one. ernment property. The service which operated the plane has made no move to dispose of it. Although insignts were painted over after the enab. port Service. Also at Winslow a Navy sewer up. beside an airline passender building

In ceneral, however, airport spokesmen feel that Army services have been worse offenders than the Navy, not only in leaving way work on apports but in actual damage to surport facilities Airport spokesmen say that in arveral instances

Partie News' pocure coort motor, Scholer Bangs, commatment on how mon debris would be re-I know? I'll be a crythan soon. I'll let whoever takes over my command warry about it." mulitary operations, much of it deemed unnecessary to the war effort, renow from destruction hundrings. Yeary few renears have been made.

At Window, Aria, Municipal Airport, for ex- extensively by surlines, fixed base charter services. Several instances of neglect by provide airport

> At Willows, Calif., in plein view of all visitors, the wreckage of a civilian plane which was flown into a telephone pule is prominent in a conspecu-Recordly, near San Dugo, at a small apport

a small personal plane with a badly eremologic wing was allowed to remain parked for an exator apparently hoped to attract new business. bined corrective effects of all mamerical and prowhich have either commandeered or leased are Army officers have replied, when pressed for a ports for their warting and post-war operations.

BORRET H. WOOD



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# Date with an Autopilot

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The "brains" of the Autopilot consist of electrically driven gyros that are responsible for its stable, highly accurate performance, even at high altitudes. The Autopilot embodies features greatly desired in all aircraft systems—light weight, first-rate performance at all altitudes, sturdiness, and long-lived dependability.

G-E aircraft products, from the smallest instrument to the turbosupercharger and gas turbine, are used extensively by the Air Forces. Many of these G-E developments are now available for commercial aviation. Their wartime performance gave you some idea of the way our extensive facilities can be co-ordinated to produce specialized equipment. Today our engineering service is available at all times to meet the needs of the aircraft industry. General Electric Company, Schenetady 5. N. Y.



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